

**JP2001133614 A**

**DIFFUSED REFLECTION PLATE, TRANSFER MASTER DIE THEREOF,  
METHOD OF PRODUCING THE SAME, BASE FILM USING THE SAME,  
TRANSFER FILM, AND METHOD OF PRODUCING THE DIFFUSED  
REFLECTION PLATE USING THEM**

**HITACHI CHEM CO LTD**

**Inventor(s):**SHIMAZAKI TOSHIKATSU ;YOSHIDA TAKESHI ;TSURUOKA  
YASUO ;TAKANE NOBUAKI ;KIZAWA KEIKO

**Application No.** 11310443 JP11310443 JP, **Filed** 19991029,A1 **Published**  
20010518**Published** 20010518

**Abstract:** PROBLEM TO BE SOLVED: To provide a diffused reflection plate to be used for a diffused reflection plate of a reflection type LCD, which is observed bright at angles except for the regular reflection angle of external light, provide a transfer master die of the plate and a method of producing the plate, provide a base film and a transfer film using that plate, and provide a method of producing a diffused reflection plate using these films.

**SOLUTION:** This diffused reflection plate has a surface form consisting of packed regular minute forms. Since a pyramid part and a prism part are present in a part of the minute form, light except for the external light at the regular reflection angle can be reflected isotropically, and the diffused reflection plate is made bright. The transfer master die of the plate is produced, and the form is transferred to a transfer film to be used as a base film. Then a reflection film is formed on the base film to obtain the diffusion reflection plate.

**Int'l Class:** G02B00508; B29C03338 B29C05902 G02B00502

**Patents Citing this One:** No US, EP, or WO patents/search reports have cited this patent. **MicroPatent Reference Number:** 000133563